What Is Claimed Is:

1.   Device (1, 51) for the rotatable coupling of
two coaxial connection elements (2, 3; 52, 53),
comprising a rotating bearing formed as a single-row
or multi-row rolling bearing (5, 55) between the
connection elements (2, 3; 52, 53) for accommodating
axial and radial loads and tilting moments, as well
as a drive (10, 60) coupled or that may be coupled
to both connection elements (2, 3; 52, 53) to effect
relative rotation thereof, the frame of the drive
being secured to a first connection element (2, 52),
while its rotor is connected to a pinion (12) or a
worm (62), which pinion or worm mesh with a casing-
side toothing (15, 65) of the second connection
element (3, 53), wherein securement means (6, 56)
arranged in the form of a crown in a front end of
the toothed connection element (3, 53) are provided
for the securement of this connection element (3,
53) to a first machine part, the said securement
means (6, 56) being arranged between the toothing
(15, 65) and the rotating bearing (5, 55),
characterised in that the toothing (15, 65) of the
second connection element (3, 53) is enclosed by at
least one housing part (16, 66) that is fixed to the
untoothed connection element (2, 52) and surrounds
the toothed connection element (3, 53) at the front
end (18) opposite its connection/securement means
(6, 56), and that the securement means (7, 57) for
securing the untoothed connection element (2, 52) to
a second machine part are arranged on the untoothed
connection element (2, 52) itself, so that a direct
frictional connection is produced between the

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machine part and the untoothed connection element by securement means (bolts, etc.) (7, 57), even if there are still housing parts (17, 66) between the machine part and the untoothed connection element

5 (2, 52).

2. Device according to claim 1, characterised in that the toothing (15, 65) and the guideway for the ball-bearing race (5, 55) of the second connection

10 element
(3, 53) is formed by machining or shaping the said connection element/base member.

3. Device according to claim 1, characterised in

15 that one or both connection elements (2, 3; 52, 53) are formed as concentric rings or washers and the securement means are formed as bores (6, 7; 56, 57) arranged in the form of a crown.

20 4. Device according to claim 1, characterised in that the toothed connection element (3, 53) is formed as an internally or externally toothed crown.

5. Device according to claim 4, characterised in

25 that the ball-bearing race/guideway of the toothed connection element (3, 53) is arranged on its casing surface opposite the toothing (15, 65).

6. Device according to claim 5, characterised in

30 that the radial distance of the securement bores (6, 56) of the toothed connection element (3, 53) to the base of the ball-bearing race/guideway of the toothed connection element (3, 53) corresponds

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roughly to the radial distance of these bores (6, 56) from the base of the toothing (15, 65).

7.   Device according to claim 1, characterised in that the securement bores (6, 56) in the toothed connection element (3, 53) are provided with an internal thread.

8.   Device according to claim 1, characterised in that the securement bores (6, 56) of the toothed connection element (3, 53) are formed as blind holes open exclusively to its connection/front end, the depth of the bores being between ½ and ¾ the overall height of the toothed connection element (3, 53).

9.   Device according to claim 5, characterised in that the floor of the securement bores (6, 56) of the toothed connection element (3, 53) is located roughly at the height of the greatest convexity or tapering of the toothed connection element (3, 53) as a result of the incorporated guideway for the ball-bearing race (5, 55).

10.   Device according to claim 1, characterised in that the housing part (16, 66) secured to the untoothed connection element (2, 52) extends in the form of an annulus (17, 67) along a front end (18) of the toothed connection element (3, 53) and parallel to the latter.

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